MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2018/2019

DWD5034 – WEB DESIGN

(DBA Students)

27 MAY 2019
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This question paper consists of 10 pages with 2 sections.
2. **SECTION A**: Answer **ALL** Multiple Choice Questions on the OMR sheet given.
3. **SECTION B**: Answer **ALL** Structured Questions in the Answer Booklet provided.

SECTION A [25 Marks]

Instruction: *Answer **ALL** questions from this section and shade your answers on the OMR sheet provided.*

1. Which of the following is a browser?
   a. File Explorer
   b. Adobe Photoshop
   c. Mozilla Firefox
   d. Task Manager

2. Computers which are owned and operated by government agencies are categorised under the _____ domain.
   a. gov
   b. com
   c. mil
   d. net

3. A website may contain:
   a. Audio and video files
   b. HTML documents
   c. Graphic files
   d. All of the above

4. The tags used in HTML are _____.
   a. enclosed using < and > symbol
   b. case sensitive
   c. used only to create tables and forms
   d. visible when the web page is displayed using a browser

5. The _____ states the version of HTML the page is written in.
   a. `<html>`
   b. `<!DOCTYPE>`
   c. `<head>`
   d. `<title>`

6. The alternative text is added to the `<img>` tag to _____.
   a. make it easier for the users to copy the image
   b. create a link to another document when the image is clicked
   c. display a clearer and sharper image
   d. give a description of the image when the image is not able to be viewed

7. A text which is written within the `<strong>` tag will be seen as _____.
   a. curved
   b. italic
   c. bold
   d. underlined

Continued...

8. When the `<tr>` tag is used in HTML, it means that you are inserting a _____ in a table.
   a. row
   b. cell
   c. title
   d. column

9. Inserting `type=disc` in an unordered list will produce a _____ bullet pattern.
   a. ▶
   b. ■
   c. ○
   d. ●

10. The `<option>` tag in a dropdown list _____.
    a. shows only the default values that can be selected
    b. defines the available choices for the user to choose from
    c. must be arranged in descending order
    d. can only have a maximum of four choices

11. In an HTML form element, the `maxlength` property defines the _____.
    a. number of options available for the user to choose from
    b. size of a text element
    c. maximum number of characters that can be inserted into a text element
    d. number of rows it can accommodate

12. An element of a form which uses the `readonly` property states that it _____.
    a. can be filled with multiple values
    b. is a drop down list box
    c. is compulsory to be filled
    d. cannot be edited

13. To allow a user to choose more than one choice, the input type _____ can be used.
    a. `checkbox`
    b. `radio`
    c. `box`
    d. `button`

14. Which of the following is **TRUE** about CSS?
    a. The CSS codes must be written in capital letters.
    b. An external CSS style sheet is located within the HTML page.
    c. External CSS stylesheet is best used when the same styles are applied to multiple pages.
    d. A comma must be inserted at the end of each style.

Continued...

15. Colours in CSS can be specified using the colour names, RGB values as well as _____ values.
    a. decimal
    b. hexadecimal
    c. octal
    d. fraction

16. Multiple font faces can be included in CSS but must be separated by _____.
    a. slash
    b. semicolon
    c. space
    d. comma

17. If you wish to not have any underlines for hyperlinks, which value is used in CSS?
    a. `none`
    b. `normal`
    c. `default`
    d. `standard`

18. To design a list item with images, which of the following properties is used in CSS?
    a. `list-image`
    b. `image-pattern`
    c. `list-style-image`
    d. `image-style`

19. Select the correct syntax for the `text-shadow` property in CSS.
    a. `text-shadow : vertical-shadow horizontal-shadow blur-radius shadow-colour`
    b. `text-shadow : shadow-colour`
    c. `text-shadow : shadow-colour blur-radius`
    d. `text-shadow : horizontal-shadow vertical-shadow blur-radius shadow-colour`

20. JavaScript is a _____ language.
    a. webpage designing
    b. scripting
    c. heavy weight
    d. non case sensitive

21. JavaScript can be placed _____.
    a. in an external file
    b. inside the HTML document
    c. within the HTML tags
    d. All of the above

Continued...

22. Variables are used in JavaScript to _____.
    a. store values such as numbers and text
    b. display pop-up messages to the user
    c. create forms
    d. display text on the browser

23. The _____ statement allows a specific condition to be tested.
    a. `alert()`
    b. `if..else`
    c. `parseInt()`
    d. `prompt()`

24. The symbol == (double equal symbol) in JavaScript is used to _____.
    a. declare a variable
    b. assign a value to a variable
    c. check whether the values of two variables are equal
    d. create a constant value

25. In order to join text and variables in JavaScript, the _____ symbol is used.
    a. *
    b. +
    c. =
    d. #

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SECTION B [75 Marks]

Instruction: *Answer **ALL** questions from this section in the Answer Booklet provided.*

QUESTION 1

a. Write the HTML codes to generate the following paragraphs.

(i) The **Asian** tiger is becoming extinct. (2 marks)

(ii) *MMU's Info Day* will be on the 22nd of March. (2 marks)

(iii) Send email to the Webmaster (2 marks)
[HINT: Link the hyperlink to webmaster@company.com]

(iv) (2 marks)

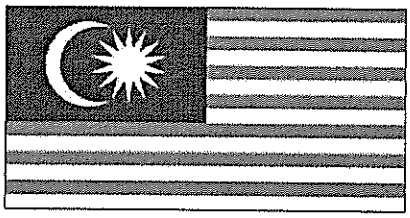


Figure.1 – Malaysian Flag.

[HINT: The image name is flag.jpg.]

(v) Insert a song named *love.mp3* into a webpage which plays automatically when the page loads. The song will repeat continuously. The controls must be shown on the screen. (2 marks)

b. Write the codes to generate the following HTML list. Use the guidelines given below. (5 marks)

- The first line uses heading level 2.
- The second line is a paragraph.

Sample Output

Amazing Tuition Centre

Listed below are the schedule

C. Class Diamond
  i. Day : Monday
    - Time : 10.00 a.m.
    - Time : 1.00 p.m.
  ii. Day : Wednesday
    - Time : 9.00 a.m.
    - Time : 12.00 p.m.

B. Class Ruby
A. Class Saphire

Continued...

c. Write the codes to generate the following HTML form. Use the guidelines given below. (10 marks)

- The Name has a hint in it.
- The Type of Complaint drop down box includes *Learning Portal*, *Classroom Amenities* and *Staff Management System* as its options.
- Summary of Complaint allows 4 rows to be seen and will allow 40 characters to be inserted horizontally.
- Upload Extra Documents allows only *.pdf* files to be selected. Only one file can be uploaded.

Sample Output

Name : Enter your name here

Faculty : FOB FIT FET FOL

Type of Complaint : Learning Portal

Summary of Complaint :

Upload Extra Documents : Choose File No file chosen

Submit Complaint

(Total: 25 marks)

QUESTION 2

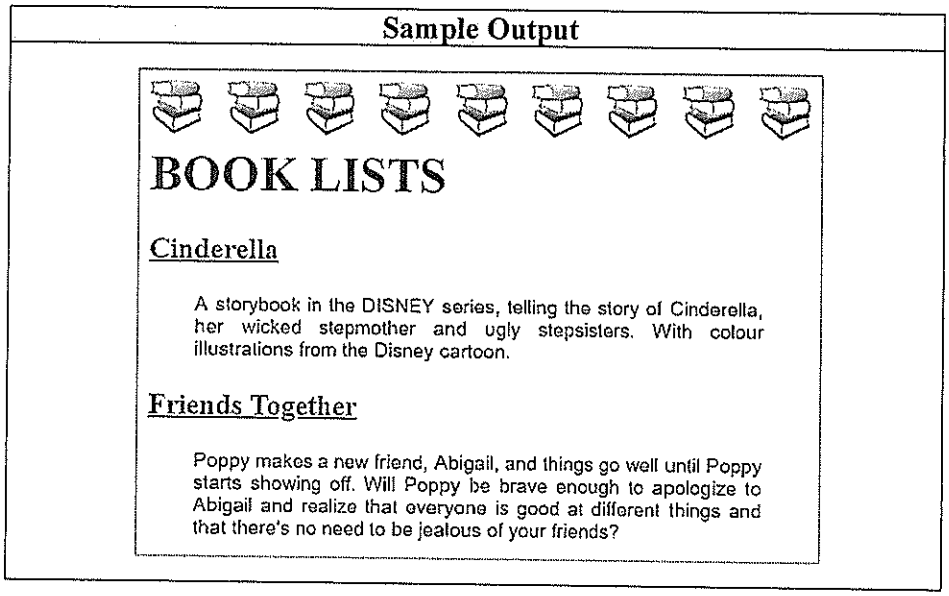
a. Use **Internal CSS** to write the styles to generate the output shown in the sample output. Use the guidelines as your reference. (15 marks)

Guidelines

- Webpage : It has a horizontally repeated background image named *books.png*. located at the top of the webpage.
- Heading level 1 : The texts are in capital letters. The text colour is red. The text is located 50px from the top of the page.
- Heading level 3 : The text colour is blue and it is underlined.
- Paragraph : The text is justified. The left and right margin is 30px. The font type is Arial and the text size is 0.8em.

Continued...

Sample Output


BOOK LISTS
Cinderella
A storybook in the DISNEY series, telling the story of Cinderella, her wicked stepmother and ugly stepsisters. With colour illustrations from the Disney cartoon.
Friends Together
Poppy makes a new friend, Abigail, and things go well until Poppy starts showing off. Will Poppy be brave enough to apologize to Abigail and realize that everyone is good at different things and that there's no need to be jealous of your friends?

b. Write the styles for the following descriptions using **External CSS**. Write the link to connect to the style page named *main_design.css*. (10 marks)

- Create a **class** named *side-navi* for a hyperlink.
  - It has no underline.
  - When the cursor goes over the hyperlink, the text will be bold and italic. There will be a 5px space inserted between each letters.
- Image :
  - Set a silver colour border for the image. The border thickness is 5px. The pattern is solid.
  - The corners of the image are curved by 10px.
  - The width of the image is 300px and the height is 500px.

(Total: 25 marks)

QUESTION 3

a. State whether the following variable names are **VALID** or **INVALID** based on the JavaScript variable naming rules. If **INVALID**, state your reasons. (5 marks)

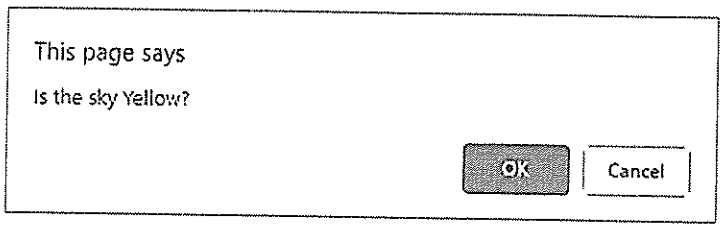
(i) 2018_Tax_Form
(ii) DailyGoldPRICE
(iii) Student Outstanding Fee
(iv) Table#
(v) Game2

Continued...

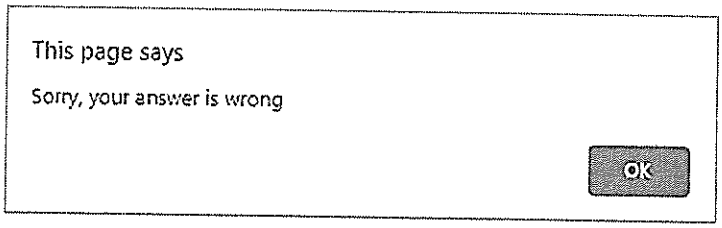
b. Write the JavaScript codes based on the following descriptions. (5 marks)

- Declare a variable named *answer* and assign it the value *true*.
- Using a *confirm()* method, ask the user "*Is the sky Yellow?*".
- If the user clicks on the OK button, show a message with the statement "*Sorry, your answer is wrong*" using the *alert()* method.
- Otherwise show a message with the statement "*Fantastic! Your answer is correct*" using the *alert()* method.
- Display the output as shown at the Sample Output.

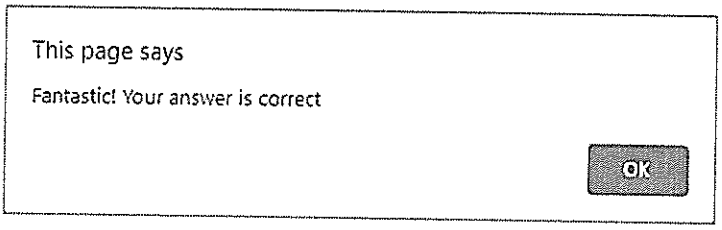
Sample Output



If the user clicks on OK, they will get the following message.



If the user clicks on CANCEL, they will get the following message.



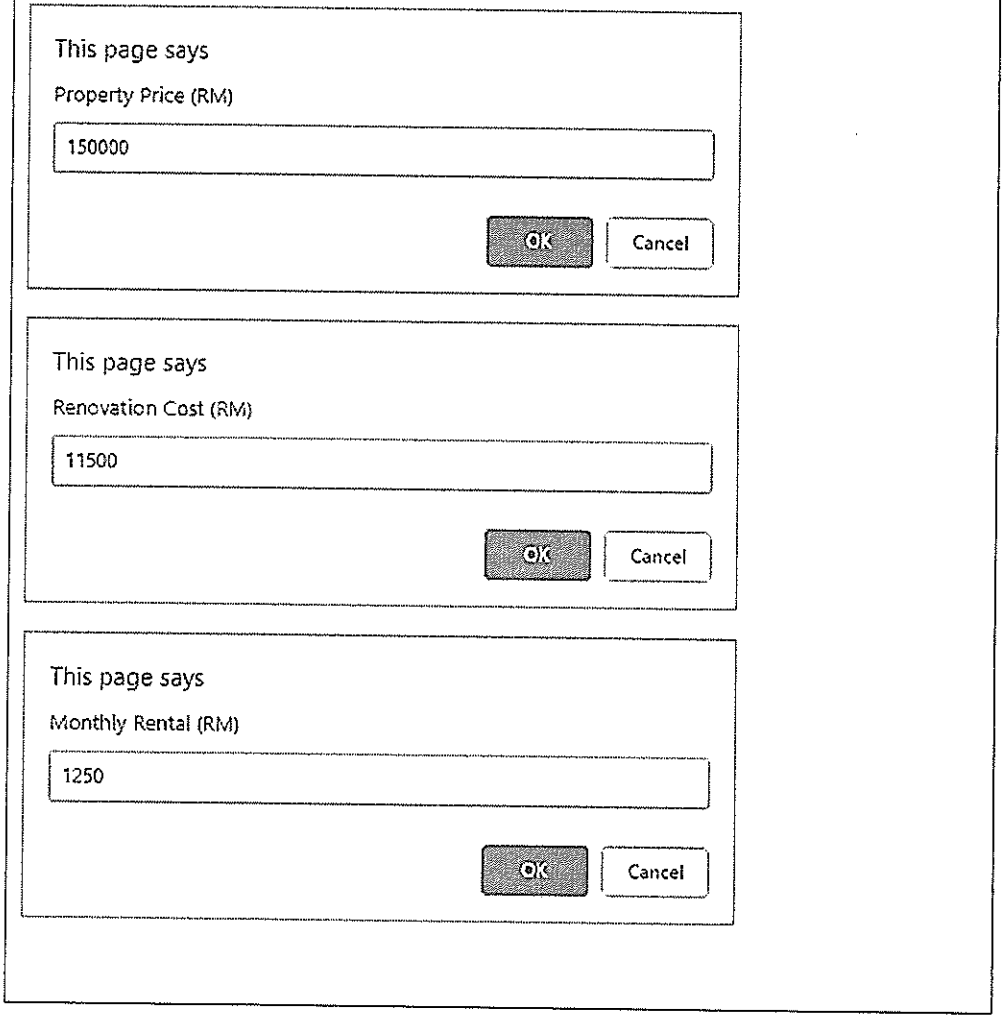
c. Rental yields are used to compare various income producing properties. Rental yields also signify the rate of return from an investment. Write the JavaScript codes to calculate the rental yield for a property based on the given descriptions. (15 marks)

- Declare all the variables used in this program.
- Insert a comment "User Data Entry".
- Ask the user to enter the property price using a *prompt()* method. Store the value in a variable named *property_price*.
- Ask the user to enter the renovation cost of the property using a *prompt()* method. Store the value in a variable named *reno_price*.

Continued...

- Ask the user to enter the monthly rental of the property using a *prompt()* method. Store the value in a variable named *monthly_rental*.
- Now, calculate the total cost which is the sum of the property price, renovation cost and stamp duty. Stamp duty is a constant value of RM1500.00. Store the result in a variable named *total_cost*.
- Next, calculate the annual rental. This is done by multiplying the monthly rental by the number of months in a year. Save the result in a variable named *annual_rent*.
- Finally, calculate the gross rent yield. This is done by dividing annual rent with total cost and multiplying with 100% to get the percentage. Store this value in a variable named *gross_rent_yield*.
- Using *if..else* statement, identify the status of the gross rent yield. If the gross rent yield is lower than 5, it is not good. Otherwise it is good. Store the result in a variable named *status*.
- Display all the information as shown in the Sample Output.

Sample Output



Continued...

Total Cost = RM 163000.00
Annual Rent = RM 15000.00
Gross Rent Yield = 9.20 %
Gross Rent Yield Status = Good

(Total: 25 marks)

End of Page.